

D-45113 - TFM

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : WYBE MARTIN KAST,  
CORNELIS JOSEPH MARIA MELIEF,  
ALESSANDRO D. SETTE and  
JOHN C. SIDNEY

Serial No. : 08/170,344

Filed : January 4, 1994

For : PEPTIDES OF HUMAN PAPILLOMA VIRUS FOR USE IN  
HUMAN T CELL RESPONSE INDUCING COMPOSITIONS

March 30, 1994

BOX PCT (DO/EO/US)  
Honorable Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

Sir:

COMMUNICATION UNDER 37 C.F.R. 1.63  
TRANSMITTING DECLARATION AND POWER OF ATTORNEY

The above-identified application was filed on January 4, 1994 without a Declaration and Power of Attorney. Applicants have not yet received the Notice of Missing Parts communication from the Patent Office. However, since the oath or declaration is missing from this application, and in compliance with 37 C.F.R. 1.63, applicants hereby submit the Declaration and Power of Attorney executed by the inventors in the above-identified application. A check in the amount of \$ 130.00 is forwarded herewith to cover the required surcharge.

Please charge any additional fee or credit any overpayment to  
the deposit account of Cooper & Dunham, No. 03-3125.

Respectfully submitted,

*Thomas F. Moran*

Thomas F. Moran - Reg. No. 16579  
Attorney for Applicant(s)  
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30 ROCKEFELLER PLAZA  
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Tel: 212-977-9550

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Sir:

COMMUNICATION

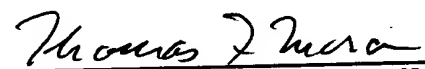
The above-identified application was filed January 4, 1994. In the accompanying transmittal letter, Form PTO-1390, the first two names of the first applicant/inventor was inadvertently reversed. MARTIN WYBE KAST should correctly read --WYBE MARTIN KAST--. Applicants are submitting along with this Communication and by a separate letter, the Declaration and Power of Attorney. On the Declaration and Power of Attorney, the above-identified first applicant/inventor, WYBE MARTIN KAST, is set forth, along with Messrs. CORNELIS JOSEPH MARIA MELIEF, ALESSANDRO D. SETTE and JOHN C. SIDNEY as co-applicants/inventors.

For the convenience of the Patent Office, a copy of the first page of International Application No. PCT/NL32/00093, upon which the above-identified U.S. application is based, is forwarded herewith. On this page the correct order of the name WYBE MARTIN KAST is shown at No. (75) Inventors/applicants and underlined in red. Also, for the convenience of the Patent Office, a copy of the first page of PTO-1390 showing this error is also forwarded herewith.

It is respectfully requested that this error be corrected when the filing of this application has been completed and that the Official Filing Receipt issue with the correct name of the first applicant/inventor reading --WYBE MARTIN KAST--.

If there is any fee in connection with the above, please charge same to the Deposit Account of Cooper & Dunham, No. 03-3125.

Respectfully submitted,

  
Thomas F. Moran - Reg. No. 16579  
Attorney for Applicant(s)  
COOPER & DUNHAM  
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## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>5</sup> : <b>C07K 7/06, A61K 37/02</b>		<b>A1</b>	(11) International Publication Number: <b>WO 93/22338</b> (43) International Publication Date: <b>11 November 1993 (11.11.93)</b>
(21) International Application Number: <b>PCT/NL93/00093</b> (22) International Filing Date: <b>4 May 1993 (04.05.93)</b> (30) Priority data: 92201252.1      5 May 1992 (05.05.92)      EP (34) Countries for which the regional or international application was filed: <b>NL et al.</b> 92203870.8      10 December 1992 (10.12.92)      EP (34) Countries for which the regional or international application was filed: <b>NL et al.</b> 93200243.9      1 February 1993 (01.02.93)      EP (34) Countries for which the regional or international application was filed: <b>NL et al.</b> 93200621.6      5 March 1993 (05.03.93)      EP (34) Countries for which the regional or international application was filed: <b>NL et al.</b> (71) Applicant (for all designated States except US): <b>RIJKSUNIVERSITEIT LEIDEN [NL/NL]; Stationsweg 26, NL-2312 AV Leiden (NL).</b>		(72) Inventors; and (75) Inventors/Applicants (for US only) : <b>KAST, Wybe, Martin</b> [NL/NL]; Maria Rutgersweg 106, NL-2331 NX Leiden (NL); MELIEF, Cornelis, Joseph, Maria [NL/NL]; Johan Vermeerstraat 15, NL-2102 BT Heemstede (NL); SETTE, Alessandro, D. [IT/US]; 5551 Linda Rosa Avenue, La Jolla, CA 92307 (US); SIDNEY, John, C. [US/US]; 8541 D Villa La Jolla Drive, La Jolla, CA 92037 (US). (74) Agent: <b>SMULDERS, TH., A., H., J.; Vereenigde Octrooibureaux, Nieuwe Parklaan 97, NL-2587 BN The Hague (NL).</b> (81) Designated States: <b>AT, AU, BB, BG, BR, CA, CH, CZ, DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SK, UA, US, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE); OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).</b> Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.	

(54) Title: **PEPTIDES OF HUMAN PAPILLOMA VIRUS FOR USE IN HUMAN T CELL RESPONSE INDUCING COMPOSITIONS**

## (57) Abstract

A peptide comprising an amino acid sequence derived from a human papilloma virus (HPV) protein, wherein said amino acid sequence has the ability to bind to a human Major Histocompatibility Complex Class I molecule. Its use in prophylactic or therapeutic treatment of cervical carcinoma and other HPV-related diseases.

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

45113 - TFM

U.S. APPLICATION NO. (IF KNOWN, SEE 37 C.F.R. 1.5)

INTERNATIONAL APPLICATION NO.  
PCT/NL93/00093

INTERNATIONAL FILING DATE  
4 May 1993

PRIORITY DATE CLAIMED  
5 May 1992

TITLE OF INVENTION Peptides of Human Papilloma Virus for Use in Human  
T Cell Response Inducing Compositions

APPLICANT(S) FOR DO/EO/US

(Martin Wybe) Kast, Cornelis Joseph Maria Melief, Alessandro D. Sette & John C. Sidney

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. ☐ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ has been transmitted by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ☐ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☒ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 16. below concern other document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98. and seven (7) references
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A **FIRST** preliminary amendment.  
☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☒ Other items or information: For the convenience of the DO/EO/US  
a single-sided copy of the specification, claims, drawings

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Washington, D.C. 20231

Sir:

EXPRESS MAIL  
CERTIFICATE OF MAILING

"EXPRESS MAIL" Mailing Label No. EF435799879US

Date of Deposit: March 30, 1994

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.



Mailroom Employee  
Depositing Express Mail

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